

-8-

CLAIMS

1. A modular refrigeration unit for use in an accessible compartment of a cooler, the accessible compartment including a first portion in communication with a display cabinet of the cooler and a second portion in communication with the environment,
5 the modular refrigeration unit comprising:
 - a wire-frame support removably positioned within the accessible compartment;
 - a dividing wall mounted to the wire-frame support, the divider wall being positioned between the first and second portions;
 - 10 a condenser assembly mounted to the wire-frame support on one side of the dividing wall, the condenser assembly positioned within the second portion of the accessible compartment; and
 - an evaporator assembly mounted to the opposite side of the dividing wall, the evaporator assembly positioned within the first portion of the accessible compartment.
- 15 2. The modular refrigeration unit of claim 1, wherein the wire-frame support includes a forward portion that provides a gripping location for installing the modular refrigeration unit into the accessible compartment and removing the modular refrigeration unit from the accessible compartment.
- 20 3. The modular refrigeration unit of claim 1, wherein the condenser assembly includes a compressor mounted to the wire-frame support, a condenser coil mounted to the wire-frame support, a motorized fan mounted to the condenser coil, and a collecting tray mounted to the wire-frame support, the condenser coil in communication with the environment.
- 25 4. The modular refrigeration unit of claim 1, wherein the evaporator assembly comprises an evaporator coil mounted to the divider wall, and a fan mounted to the evaporator coil, the evaporator coil in communication with the display cabinet.